

CLAIMS

What is claimed is:

1 1. A CD-ROM apparatus comprising an IDE interface, wherein a hard disk unit
2 and said CD-ROM apparatus are connected in cascade by a master and slave device with an
3 IDE interface of a personal computer, and wherein said master and slave device is controlled
4 by a CD-ROM software driver switching a drive select bit in the IDE interface so that said
5 CD-ROM apparatus may be used as said master or slave device.

1 2. A personal computer system, comprising:

2 an IDE interface provided in a personal computer;

3 an IDE BUS connected to said IDE interface of said personal computer;

4 a CD-ROM apparatus containing an IDE interface which can be directly
5 connected to said IDE interface of said personal computer through said IDE BUS;

6 and

7 a hard disk having an IDE interface which also can be directly connected to
8 said IDE interface of said personal computer through said IDE BUS;

9 wherein said CD-ROM apparatus and hard disk unit are connected in
10 cascade by a master and slave device with said IDE interface of said personal
11 computer, and wherein said master and slave device is controlled by a CD-ROM
12 software driver switching a drive selection bit in the IDE interface so that said CD-
13 ROM apparatus may be used as said master or slave device.